Rec'd Jan 5th
Ans Jan 10

Cambridge, Mass. Jan. 1st 1867.

Dr. George Engelmann,

Dear Sir,

I have delayed much longer than I ought, to answer your letters. The first one first.

The Concord, Mass., Isoetes grew in running water, which is from 6–12 inches deep, according to the rains, on a fine gravelly bottom, the gravel having in it some decaying vegetable matter, however; it was gregarious; collected about the 1st of October, sooner or later.

The Mansfield mountain specimens grew in a small pond near the upper limit of trees, in gravelly bottom, much like the above, in a little more depth of water, which was of course not running; gregarious; coll. early in August.

The Kennebunkport specimens

were collected in water about a foot deep, on sand, onto which was deposited a large amount of sawdust, brought there by an eddy formed by the abutments of a bridge across the stream which flows out of the lake near the station called the "Wiers". I cannot possible recall at what time of the summer.

I now enclose two specimens of Isoetes coll. by C. C. Frost, Esq. of Brattleboro, Vt. which I think may be of interest to you.

In regard to your last letter, I am sorry my specimens of Juncus were not better adapted to your use, but will endeavor to profit by your suggestions, and do the best I can for you next summer. I got [underline]5 nodosus[/underline] small form, at Willoughby Lake, as you see; I do not know as I shall be able to get any more, but sent you what I had

that you might do what you could with it. I cannot tell you the date of collecting or of flowering of the three Juncí but will observe more closely, next season.

Very truly Yours

Horace Mann.

Juncus Legleni, J. Shullerae
J. Clarkii, J.
J. nigrescens, J. Legleni
J. Canadensis, J.

GEORGE ENGELMANN PAPERS
MISSOURI BOTANICAL GARDEN

Horace Mann

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GEORGE ENGELMANN PAPERS

Rec'd Jan 29

Cambridge, Mass. Jan 23rd 1867

Dr. Engelmann,

Dear Sir,

I am much obliged to you for the information concerning the two Droseras from Battleboro, Vt. I communicated it to Mr Frost, together with your queries, which he answers by saying that:— in the beginning they may be said to grow in the water; the Com. River specimens are found near the shore or farther from it, according to the depth of the water to about one foot deep on a stony (that is from a pebble to as large as a man's head) bottom where mud is deposited in the interstices. In the drier seasons of the year when the streams are low many of them are out of the water where the soil is considerably moist. The

"Clarks pond" specimens, also early in the water near the shore in the half mucky half sandy bottom, and as the season advances they are left on land where they appear to thrive no less nor more than in the water as far as I can observe."

He says he will look out for a good supply of them next season.

I enclose as requested by Dr. Watt, a letter to you.

I remain very truly Yours

Horace Mann.

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Rec'd Oct 10
Ans same day

Cambridge, Mass, Oct. 6th 1867

Dr. Engelmann,

Dear Sir,

As there was nothing especial to reply to in the letters which I recd from you during the summer I have delayed acknowledging them.

I fear the Juncus which I sent you was hardly in such specimens or condition as to satisfy you, and am sorry it was not better, but instead being less busy this year, as I hoped, I have never found so little time to do things in, as now. For the same reason I have not been able to find a single half day to go to any one

of the localities to look after
Hsoëles this fall, which I
particularly regret.

I write especially now, to
tell you that I have just com-
pleted the distribution into
sets of Bolanders California
plants, and that I have
a set (of 457 species) for
you if you wish it, and for
which I shall ask, on the
Bolanders' behalf, $54.50! $12 per 100

The specimens are the
most beautiful I have ever
seen, and among them are
an extraordinary number
of new & rare species, making
them altogether very desirable.

If you wish them and wish to
have them sent to you please let
me know.

Very truly Yours Horace Mann.

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Rec'd Oct 6
Ans'd — 7

Cambridge, Mass. Oct. 3. 1866.

Dr Engelmann,

Dear Sir,

Dr. Gray hands me this letter to you, open, and asks me to enclose specimens of Concord Isoetes as you have it not.

Being so fortunate as to be favored with a letter from Prof A. Braun of Berlin in which he recounts many facts & conclusions in regard to Isoetes, I take the liberty to give you the substance of it, though it is possible you have the same from him.

I. from L. Winnepissogee, Concord, Mass., and subalpine Lake Mansfield Mt, are all, according to him I. echinospora, Durieu, which also comes from Niagara R. & Catskill Mts, v. side sp. of Clinton in Nb. Dray. Greenland, Iceland, the whole of N. Europe, France & upper Italy. Prof. Braun does not consider the Braunii Dur. Bul. Soc. Bot. de Fr. XI (1864) p. 101 as distinct from I. echinospora. The specimens from Mystic Pond

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coll Booth, & formerly Tuckerman are "D. Tuckermanii, Braun, mscd. It has the "habit of D. echinospora & the spore of D. lacustris, distinguished from both by yellow, thick-walled parenchymatous cells on the outer walls of the sporangia."
The "muricata" of Durieu Prof. Braun does not yet know, but it comes from Woburn, coll Booth. D. lacustris, is from Echo Lake coll by yourself, in "British N. A." coll Drummond in H.b. Hooker, and according to Durieu, from the Sault St. Marie, L. Superior. Braun holds the D. macrospora from Catskill Mts. to be a variety of D. lacustris, which seems to me considering its published characters, a very sensible conclusion. He says he found the same in several colls. from Tuckerman with the vague locality "Mts of N. England",—I suppose in all probability from Echo Lake.

I hope you will always consider me ready to do anything in my power in regard to specimens you may desire and believe me

Very respectfully Yours

Horace Mann.

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Horace Mann

Two Rivers, Manitowoc Co., Wis.,
October 5, 1866.

Prof: Asa Gray,

My Dear Sir,

Many thanks for your kind favor of 22nd ult.,. I am glad to find that my sight is not so poor as I thought; for to me the taphus of Liatris Scariosa growing here appeared slightly plumose.

Pray excuse me for again troubling You. I enclose a piece of, I think, Coniosperma hyssopifolium, L. Which I find growing rather abundantly on the Sandy shore and beaches of Rawley's Point, Lake Michigan. If I am

correct, this will be a new locality for it. Raaley's Point is about ten miles north of Manitowoc.

I see it has been found near Chicago & Buffalo. Do you not consider it native? — Or is it clearly Adv. from North West?

Are not the rot leaves of the Juncus stricta, Gr. hairy, generally, or always hairy? — I have found growing here, Sept 15th, what I called the J. Gachycarpa, Torr. & Gray, Of this the root-leaves are rough hairy, & otherwise corresponded also with your description except in the ripe pods, which are over 2 inches in length.

The J. Stricta I found abundantly, in the earlier portion of season; it answered your description; but